

No. 4470/1
A B S T R A C T

OF THE
P R E M I U M S
OFFERED BY THE
S O C I E T Y,
INSTITUTED AT LONDON FOR THE
ENCOURAGEMENT OF ARTS,
MANUFACTURES AND
COMMERCE.



LONDON: PRINTED, BY ORDER OF THE
SOCIETY, BY JOHN NICHOLS,
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M,DCC,LXXXIX.

T O A T 3 3 A

To the PUBLICK.

THE CHIEF OBJECTS of the attention of the SOCIETY, in the application of their REWARDS, are all such useful inventions, discoveries, or improvements (though not mentioned in the Book of Premiums), as appear to have a tendency to promote the arts, manufactures, and commerce, of this kingdom; and, in pursuance of this plan, the Society have already been enabled, by the voluntary subscriptions of its members, and by benefactions of the nobility and gentry, to expend for such useful purposes a sum amounting to near forty thousand pounds.

Whoever attentively considers the benefits which have arisen to the Publick since the institution of this Society, by the introduction of new manufactures, and the improvements of those formerly established, will readily allow, no money was ever more usefully expended; nor has any nation received more real advantage from any publick body whatever, than has been derived to this country from the rewards bestowed by this Society; and this observation will be confirmed by inspecting a general account of the effects of the rewards bestowed by the Society, annexed to a work in folio, printed in 1778, intituled, "A Register of the Premiums and Bounties given by the Society, instituted at London, for the Encouragement of Arts, Manufactures, and Commerce, from the Original Institution in 1754, to 1776, inclusive;" which work is sent to every Member on his election, and may be seen by any person, applying to the Secretary, or other officers of the Society, at their house in the Adelphi.

In order still further to promote the laudable views of this institution, and to enable the Society to prosecute to greater effect the work so successfully begun, it may not be improper to inform the Publick, by what mode, and on what terms, Members are elected.—Peers of the realm, or Lords of Parliament, are, on their being proposed at any meeting of the Society, immediately balloted for; and the name, with the addition and place of abode, of every other person proposing to become a Member, is to be delivered to the Secretary, who is to read the same, and properly insert the name in a list of candidates, to be hung up in the Society's room until the next meeting, at which such persons shall be balloted for; and if two-thirds of the Members then voting shall ballot in his favour, he shall be deemed a Perpetual Member, upon payment of twenty guineas at one payment, or a Subscribing Member, upon payment of any sum, not less than two guineas, annually.

Every Member is equally entitled to vote, and be concerned in all the transactions of the Society.

The meetings of the Society are held every Wednesday, at six o'clock in the evening, from the fourth Wednesday in October, to the first Wednesday in June. And the several Committees, to whose consideration the various objects of the Society's attention are referred, meet on the other evenings in every week during the session.

All candidates are to take notice, that no claim for a premium will be attended to, unless the conditions of the advertisements are fully complied with.

The several candidates and claimants, to whom the Society shall adjudge premiums or bounties, are to attend at the Society's office in the Adelphi, on the last Tuesday in May, 1790, at twelve o'clock at noon, to receive the same, that day being appointed by the Society for the distribution of their rewards; before which time no premium or bounty will be delivered.

The Seventh volume of the Transactions of this Society is now in the press, and will speedily be published, when it may be had, by Members only, at the Society's house in the Adelphi; and by all other persons, of the principal booksellers in England and Wales; in which book will be found the particulars of each premium inserted in the following Abstract, and the methods to be pursued by those who intend to become candidates; together with many papers communicated to the Society, in the several branches of Arts, Manufactures, and Commerce, which are the immediate objects of their attention and encouragement.

It is required, that the matters for which premiums are offered, be delivered in without names, or any intimation to whom they belong; that each particular thing be marked in what manner each claimant thinks fit, such claimant sending with it a paper sealed up, having on the outside a corresponding mark, and on the inside the claimant's name and address.

Adelphi, May 15, 1789.

By Order, SAMUEL MORE, Secretary.

PREMIUMS FOR PLANTING AND HUSBANDRY.

CLASS.

1. A CORNS. For having set ten acres, between October, 1788, and April, 1789; the gold medal.

2. For five acres; the silver medal.

Certificates to be produced on the first Tuesday in November, 1789.

9. RAISING OAKS. Not fewer than five thousand, from plants, or acorns, in woods that have been long under timber; the gold medal.

10. For three thousand; the silver medal.

Certificates to be produced on the first Tuesday in January, 1790.

15. OBSERVATIONS ON OAK. For observations and experiments on the obstructions to the growth of oaks, with remedies for them, and ascertaining the proper time for felling the trees; the gold medal, or twenty guineas.

Accounts to be produced on the third Tuesday in December, 1789.

17. SPANISH CHESNUTS. For setting six acres between the 1st of October, 1788, and April, 1789, mixed with seeds or cuttings of other trees; the gold medal.

18. For four acres; the silver medal.

Certificates to be produced on the first Tuesday in November, 1789.

25. ENGLISH ELM. For eight thousand, planted between June, 1788, and June, 1789; the gold medal.

26. For five thousand; the silver medal.

27. For four thousand; the silver medal.

Certificates to be delivered on the first Tuesday in November, 1789.

34. LARCH. For planting, from June, 1788, to June, 1789, five thousand, to be between two and four years old; the gold medal.

35. For three thousand; the silver medal.

Certificates to be delivered on the last Tuesday in November, 1789.

40. SILVER FIR. For not fewer than two thousand, planted between June, 1789, and June, 1790, in a mixed plantation of forest trees; the gold medal.

41. For one thousand; the silver medal.

Certificates and *accounts* to be delivered on the last Tuesday in December, 1793.

44. HUNTINGDON WILLOW. For three acres planted in the year 1788, at least one thousand cuttings on each acre; the gold medal.

Certificates to be produced on the last Tuesday in December, 1789.

46. UPLAND OR RED WILLOW. For not less than three acres, planted before the end of April, 1788, twelve hundred on each acre; the gold medal.

Certificates to be produced on the last Tuesday in April, 1790.

48. ALDER. For six acres, planted in the year 1788, at least one thousand on each acre; the gold medal.

Certificates to be produced on the last Tuesday in December, 1789.

51. ASH. For six acres planted in 1788, intermixed with seeds or cuttings of other plants; the gold medal.

52. For not less than four acres; the silver medal.

Certificates to be produced on the last Tuesday in December, 1789.

59. MIXED TIMBER TREES. For having enclosed, and planted or sown, ten acres with Forest trees for timber, between October, 1785, and May, 1787; the gold medal.

Certificates to be produced on the first Tuesday in November, 1789.

63. MULBERRY CUTTINGS, OR TREES. For not fewer than three hundred, planted in 1787; the gold medal, or twenty pounds.

64. For one hundred and fifty; the silver medal, or ten pounds.

Certificates to be produced on the first Tuesday in November, 1789.

69. MULBERRY TREES IN HEDGE ROWS. For one hundred, planted in 1788; ten pounds.

70. For fifty; five pounds.

Certificates to be produced on the first Tuesday in October, 1789.

The candidates for planting all kinds of trees are to certify, that the respective plantations are properly fenced and secured, and particularly to state the condition the plants were in at the time of signing such certificates.

Any information which the candidates for the foregoing premiums may chuse to communicate, relative to the methods made use of in forming the plantations, or promoting the growth of the several trees, or any other observations that may have occurred on the subject, will be thankfully received.

73. TREES FOR USE WHEN EXPOSED TO THE WEATHER. For the best account, to determine which of the following trees is of the greatest utility for timber, when exposed to the weather, viz.

Larch,

Premiums in Agriculture.

Larch, black poplar, ash, Spanish chestnut, willow, alder, Lombardy poplar, beech, or silver fir; the gold medal.

To be produced on the second Tuesday in December, 1789.

75. PLANTING BOGGY OR MORASSY SOILS. For the best experiments to ascertain the advantages of planting boggy or marshy soils; the gold medal, or twenty guineas.

Certificates to be produced on the first Tuesday in January, 1790.

80. COMPARATIVE CULTURE OF WHEAT. For the best set of experiments made on eight acres, to determine the comparative advantages of cultivating wheat, by sowing broad-cast or drilling; the gold medal, or silver medal and twenty guineas.

The account to be produced on the first Tuesday in February, 1790.

82. COMPARATIVE CULTURE OF WHEAT. For the best set of experiments made on eight acres, to determine the comparative advantage of cultivating wheat, by broad-cast or dibbling; the gold medal, or silver medal and twenty guineas.

The accounts to be produced on the first Tuesday in February, 1790.

84. BEANS AND WHEAT. For planting or drilling, between December, 1786, and March, 1787, ten acres, with beans, and for sowing the same land with wheat in the year 1788, twenty guineas.

Certificates to be produced on the first Tuesday in November, 1789.

86. TURNEPS. For experiments made on six acres, to determine the comparative advantages of the drill, or broad-cast method in the cultivation of turnips; the gold medal, or silver medal and ten guineas.

To be delivered on the third Tuesday in April, 1790.

88. GREEN VEGETABLE FOOD. For the best account of vegetable food, that will most increase the milk in mares, cows, and ewes, in March and April; the gold medal.

Certificates to be produced on the second Tuesday in November, 1789.

90. COMPARATIVE CULTURE OF TURNEP-ROOTED CABBAGE. For satisfactory experiments, on the drill and broad-cast culture of turnep-rooted cabbage, made on four acres of land; the silver medal and ten pounds.

Certificates to be produced on the first Tuesday in October, 1791.

93. TURNEP-ROOTED CABBAGE. For raising in the year 1788 not less than

ten acres, and for an account of the effects on cattle or sheep fed with it; the gold medal.

94. For not less than five acres; the silver medal and ten guineas.

Certificates to be produced on the last Tuesday in October, 1789.

97. CURE OF CURLED POTATOES. For discovering the cause, and pointing out the cure, of the disease, verified by experiments; the gold medal, or thirty pounds.

Accounts to be produced on the third Tuesday in November, 1789.

99. POTATOES FOR FEEDING CATTLE AND SHEEP. For cultivating, in 1788, not less than four acres, for the sole purpose of feeding cattle and sheep; the gold medal, or twenty guineas.

Certificates to be produced on the second Tuesday in November, 1789.

102. CULTIVATING ROOTS AND HERBAGE FOR FEEDING SHEEP AND BLACK CATTLE. For experiments made on two acres of land, between Michaelmas, 1788, and May, 1789, to ascertain which of the following plants can be secured for winter fodder to the greatest advantage, viz.

Turnep-rooted cabbage, carrots, turnep cabbage, parsneps, turneps, potatoes.

The accounts to be produced on the first Tuesday in November, 1789; the gold medal.

104. FEEDING HORSES. For an account of not less than four horses kept on green vegetable food in the stall or stable; the silver medal and ten guineas.

The accounts and certificates to be produced on the second Tuesday in February, 1790.

105. STOCKS OF BEES. For not fewer than thirty stocks of bees, and giving an account of the manner of supporting them; the gold medal, or twenty pounds.

The accounts to be delivered on the first Tuesday in November, 1789.

109. CULTIVATING THE TRUE RHUBARB. For raising, in the year 1789, not less than three hundred plants of the true rhubarb; the gold medal.

110. For two hundred plants; the silver medal.

Certificates to be produced on the second Tuesday in February, 1790.

113. RHUBARB. For rhubarb of British growth, twenty pounds weight; the gold medal.

Certificates, and five pounds weight, to be produced on the first Tuesday in November, 1789.

114. For

114. For ten pounds weight; the silver medal.

117. ASCERTAINING THE COMPO-
NENT PARTS OF ARABLE LAND.
For the most satisfactory experiments, to
ascertain the due proportion of the several
component parts of arable land, by an
accurate analysis of it; the gold medal.

The accounts to be produced on the last
Tuesday in November, 1789.

122. IMPROVING LAND LYING
WASTE. For a method of improving
soils lying waste or uncultivated; the
gold medal, or silver medal and twenty
guineas.

123. For the next in merit, the silver
medal.

The accounts to be produced on the
second Tuesday in December, 1789.

128. MANURES. For the best ac-
count on what soil the application of
marle, chalk, lime, or clay, as manures,
be most beneficial; the gold medal, or
silver medal and twenty guineas.

The account to be delivered on the first
Tuesday in January, 1790.

130. MANURES. For the best set of
experiments to ascertain the comparative
advantage of foot, coal-ashes, wood-ashes,
lime, or night-foil; the gold medal, or
silver medal and twenty guineas.

The account to be produced on the first
Tuesday in December, 1789.

132. IMPROVING WASTE MOORS.

PREMIUMS FOR DISCOVERIES IN CHEMISTRY, DYING, AND MINERALOGY.

145. KELP. For four tons of kelp,
containing much more alkaline salt than
any now made for sale; twenty pounds.

One hundred weight to be produced
on the first Tuesday in January, 1790.

146. BARILLA. For half a ton of
merchantable barilla, made from Spanish
kali raised in Great Britain; the gold
medal.

Twenty-eight pounds, with a certificate,
to be produced on the first Tuesday
in January, 1790.

147. DISSERTATION ON ALKALI.
For the best dissertation on vegetable and
mineral alkalies; the gold medal, or
fifty pounds.

To be produced on the first Tuesday
in March, 1790.

148. PRESERVING SEEDS OF VE-
GETABLES. For a method of preserv-
ing the seeds of plants fit for vegetation;
the gold medal.

To be communicated on the first Tues-
day in December, 1789.

149. DESTROYING SMOKE. For
an account of a method of destroying the

smoke of fires belonging to large works;
the gold medal.

Certificates to be produced on the first
Tuesday in February, 1790.

156. GAINING LAND FROM THE
SEA. For an account of the best method
of gaining from the sea not less than
twenty acres of land; the gold medal.

Certificates to be produced on the first
Tuesday in October, 1789.

140. MACHINE TO REAP OR MOW
CORN. For a machine to reap or mow
grain, by which it may be done cheaper
than by any method now practised; ten
guineas.

The machine, with certificates, to be
produced on the second Tuesday in De-
cember, 1789.

142. IMPROVED HOE. For the most
improved horse or hand hoe, for cleaning
the spaces between corn sown in equidis-
tant rows, and earthing up the plants;
the gold medal, or twenty guineas.

To be produced, with certificates of
its work, on the first Tuesday in De-
cember, 1789.

144. DESTROYING THE GRUB OF
THE COCKCHAFER. For discovering a
method of destroying the grub of the
cockchafer; the silver medal and ten
guineas.

The accounts to be delivered on the first
Tuesday in January, 1789.

PREMIUMS FOR DISCOVERIES IN CHEMISTRY, DYING, AND MINERALOGY.

150. SMOKE OF FIRES BELONGING TO LARGE WORKS;
the gold medal.

To be produced on the first Tuesday
in January, 1790.

151. CANDLES. For discovering a
method of making candles of resin, fit
for common use; the gold medal, or
thirty guineas.

To be delivered on the first Tuesday
in December, 1789.

152. REFINING FISH OIL. For
disclosing a method of purifying fish
oil from glutinous matter; the gold me-
dal, or fifty guineas.

The process to be delivered on the se-
cond Tuesday in February, 1790.

153. SUBSTITUTE FOR OR PRE-
PARATION OF YEAST. For discover-
ing a substitute for, or preparation of
yeast, that may be preserved two months;
the gold medal, or twenty pounds.

Specimens to be produced on the last
Tuesday in November, 1789.

154. INCREASING STEAM. For a
method of increasing the quantity or the
force

Premiums in Dying, Mineralogy, and the Polite Arts.

force of steam, in steam engines, with less fuel than is now employed; the gold medal, or thirty guineas.

To be communicated on the first Tuesday in January, 1790.

156. PREVENTING THE DRY ROT IN TIMBER. For discovering the cause of the dry rot in timber, and disclosing a method of prevention; the gold medal, or silver medal and ten guineas.

The accounts to be produced on the second Tuesday in December, 1789.

158. FINE BAR IRON. For making ten tons with coal from coal pigs, in England or Wales, equal to Swedish or Russian iron; the gold medal.

One hundred weight to be produced on the first Tuesday in January, 1790.

160. WHITE LEAD. For discovering

a method of preparing white lead, in a manner not prejudicial to the workmen; fifty pounds.

Certificates that a ton has been prepared, and the process, to be produced on the second Tuesday in November, 1789.

162. SUBSTITUTE FOR BASIS OF PAINT. For the best substitute for basis of paint, equally proper as white lead; thirty pounds. Fifty pounds weight to be produced on the second Tuesday in November, 1789.

164. REFINING BLOCK TIN. For disclosing a method of purifying block tin, so as to fit it for the purposes of grain tin; the gold medal, or fifty pounds. The process, and one hundred weight of the tin, to be produced on the first Tuesday in November, 1790.

PREMIUMS FOR PROMOTING THE POLITE ARTS.

165. HONORARY PREMIUMS FOR DRAWINGS. For the best drawing by sons or grandsons of peers or peeresses of Great Britain or Ireland, to be produced on the first Tuesday in March, 1790; the gold medal.

166. For the second in merit; the silver medal.

167, 168. The same premiums will be given to daughters, or grand-daughters, of peers or peeresses of Great Britain or Ireland.

169. HONORARY PREMIUMS FOR DRAWINGS. For the best drawing of any kind, by young gentlemen under the age of twenty-one.

To be produced on the first Tuesday in March, 1790; the gold medal.

170. For the next in merit; the silver medal.

171, 172. The same premiums will be given for drawings by young ladies.

N.B. Persons professing any branch of the polite arts, or the sons or daughters of such persons, will not be admitted candidates in these classes.

173. SCULPTURE. For the model of the bust of his Royal Highness the Prince of Wales, as large as the life; a silver medallion, in conformity to the will of John Stock, of Hampstead, Esq.

To be produced on the third Tuesday in February, 1790.

174. PORTRAIT. For a copy in oil colours of a portrait of the late John Stock, of Hampstead, Esq. a silver medallion.

To be produced on the third Tuesday in February, 1790.

175. DRAWINGS OF OUTLINES. For an outline after a group or cast in

plaster of human figures, by persons under the age of sixteen, to be produced on the last Tuesday in February, 1790, the greater silver pallet.

176. For the next in merit, the lesser silver pallet.

177. DRAWINGS OF MACHINES. For the best drawing, by persons under the age of twenty-one years, of a crane by Mr. Bunce, in the Society's Repository, the greater silver pallet; to be produced on the third Tuesday in February, 1790.

178. DRAWINGS OF LANDSCAPES. For the best drawing after Nature, by persons under twenty-one years of age, to be produced on the third Tuesday in February, 1790, the greater silver pallet.

179. For the next in merit, the lesser silver pallet.

180. HISTORICAL DRAWINGS. For the best original historical drawing of five or more human figures, to be produced on the third Tuesday in February, 1790, the gold pallet.

181. For the next in merit, the greater silver pallet.

182. ENGRAVING IN THE LINE MANNER. For the best engraved plate in the line manner, twenty inches by sixteen, containing three human figures, the gold pallet and twenty-five guineas.

To be produced on the first Tuesday in February, 1790.

184. SURVEYS OF COUNTIES. For an accurate survey of any county in England or Wales, the gold medal.

To be begun after the first of June, 1787, and produced on the last Tuesday in January, 1792.

186. NATURAL HISTORY. To the author

Premiums for Manufactures and Mechanicks.

author who shall publish the natural history of any county in England or Wales, the gold medal, or fifty pounds. The

work to be produced on or before the last Tuesday in January, 1790.

PREMIUMS FOR ENCOURAGING AND IMPROVING MANUFACTURES.

188. SILK. For five pounds of silk, produced by one person in England, in the year 1789; the gold medal.

One pound, with certificates, to be delivered to the Society on the first Tuesday in January, 1790.

189. For two pounds; the silver medal.

190. MACHINE FOR CARDING SILK. For a machine for carding waste silk, to be produced on the first Tuesday in November, 1789; the gold medal, or twenty pounds.

191. WEAVING FISHING NETS. For the best specimen of netting, for fishing nets, twenty yards long, and six feet deep, woven in a machine, to be produced

on the second Tuesday in January, 1790; fifty guineas.

192. CLOTH FROM HOP-STALKS, OR BINDS. For not less than twenty-five yards, made in England, the gold medal, or twenty pounds; to be produced on the second Tuesday in December, 1789.

193. PAPER FROM RAW VEGETABLES. For fifty reams of useful paper from raw vegetable substances; twenty guineas.

One ream and certificates to be produced on the first Tuesday in November, 1789.

PREMIUMS FOR INVENTIONS IN MECHANICKS.

196. TRANSIT INSTRUMENT. For a cheap and portable instrument, for the purpose of finding the latitudes and longitudes of places, the gold medal, or thirty guineas; to be produced on the last Tuesday in January, 1790.

197. GUN HARPOON. For every whale taken by the gun harpoon, to the person who first strikes such fish therewith; three guineas.

Certificates of the taking such whales in the year 1789, to be delivered on the last Tuesday in December, 1789.

198. GUN FOR THROWING HARPOONS. To the person who shall produce the best gun for throwing harpoons; the silver medal, or ten guineas.

To be delivered on the first Tuesday in December, 1789.

199. HARPOON TO BE THROWN BY A GUN. To the person who shall produce the best harpoon to be thrown by a gun; the silver medal, or ten guineas.

To be delivered on the first Tuesday in December, 1789.

200. INSTRUMENT FOR THROWING HARPOONS. To the person who shall produce the best instrument for throwing harpoons; the silver medal, or ten guineas.

To be delivered on the first Tuesday in December, 1789.

201. HARPOON. For every whale taken by a harpoon shot from any other instrument than a gun, to the person who first strikes such fish therewith; three guineas.

Certificates of the taking such whales

in the year 1789, to be delivered on the last Tuesday in December, 1789.

202. DRIVING BOLTS INTO SHIPS. For a model of a machine for driving bolts, particularly copper, into ships, superior to any in use; twenty guineas.

To be produced on the first Tuesday in February, 1790.

203. IMPROVEMENT OF THE HAND VENTILATOR. For a portable ventilator to be worked by hand, better than any now in use; the gold medal, or twenty guineas.

To be produced on the last Tuesday in February, 1790.

204. CRANES FOR WHARFS. For a model of a crane for wharfs, superior to any in use; the gold medal, or twenty guineas.

To be produced on the first Tuesday in February, 1790.

205. METAL ROPE OR CHAIN. For a metal rope or chain to work over pulleys, and answer the purpose of a hempen rope, of at least two inches diameter; fifty pounds.

Certificates of its use, and a sample ten yards long, to be produced on the first Tuesday in November, 1789.

206. HORIZONTAL WINDMILL. To the person who shall produce a model of a horizontal windmill on a scale not less than one inch to a foot, superior to any in use; the gold medal, or twenty guineas.

To be produced on the first Tuesday in February, 1790.

207. HANDMILL. For the best-con-

structed

Premiums for the British Colonies.

fructed handmill for general purposes; the silver medal, or ten guineas.

To be produced on the last Tuesday in December, 1789.

208. MACHINE FOR RAISING ORE. To the person who shall invent a machine and produce a model for raising ore, &c. from mines, at a less expence than any in use; the gold medal, or twenty guineas.

To be produced on the second Tuesday in February, 1790.

209. MACHINE FOR RAISING WATER. For a machine for raising water out of deep wells, superior to any in use; thirty guineas.

Certificates and a model to be produced on the first Tuesday in February, 1790.

210. MACHINE FOR CLEARING RIVERS. For the best model of a machine, superior to any now in use, for clearing navigable rivers from weeds, at the least expence; ten guineas.

To be produced on the first Tuesday in February, 1790.

211. METHOD OF EXTINGUISHING FIRES. For an effectual method of extinguishing fires in buildings; the gold medal, or thirty guineas.

To be produced on the second Tuesday in February, 1790.

PREMIUMS OFFERED FOR THE ADVANTAGE OF THE BRITISH COLONIES.

212. NUTMEGS. For five pounds weight of nutmegs, the growth of his Majesty's dominions in the West Indies; the gold medal, or one hundred pounds.

Certificates to be produced on the first Tuesday in December, 1789.

214. CINNAMON. For twenty pounds weight, the growth of his Majesty's islands in the West Indies, imported in 1790. Samples to be produced on the first Tuesday in January, 1791.

215. BREAD FRUIT TREE. For conveying, in the year 1789, from the islands in the South Sea to the islands in the West Indies, six plants of one or both species of the bread fruit tree in a growing state; the gold medal.

Certificates to be delivered on the second Tuesday in October, 1790.

216. OIL FROM COTTON SEED. For one ton of oil and five hundred weight of cake from the seed; the gold medal.

Certificates to be produced, with two gallons of oil and two dozen of cakes, on the last Tuesday in November, 1789.

219. For half a ton of oil and two dozen of cakes; the silver medal.

220. SENNA. For two hundred weight imported in 1789, the growth of any of the British islands in the West Indies; the gold medal.

Certificates to be produced on the first Tuesday in February, 1790.

222. KALI FOR BARILLA. For cultivating five acres of land with Spanish kali for making barilla; the gold medal.

223. For three acres, the silver medal.

Certificates to be produced on the second Tuesday in November, 1789.

228. CASHEW GUM. For importing into London, in the year 1789, half a ton of the gum; the gold medal, or thirty guineas.

Twenty pounds to be produced on the second Tuesday in January, 1790.



